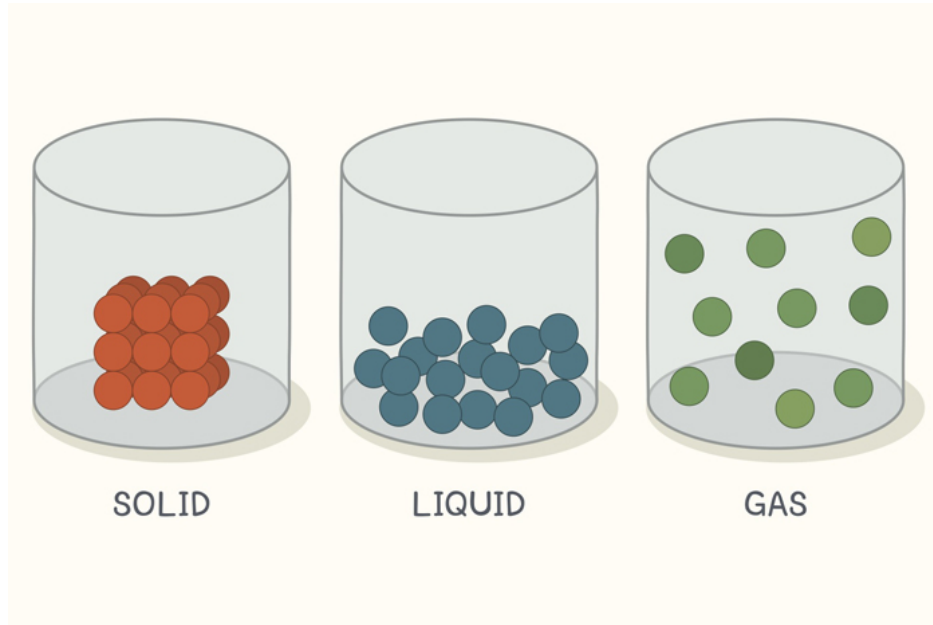


# MOLDS & STATES OF MATTER

## Background Information

A **mold** is a hollow container used to give shape to a substance.

There are three states of matter: **solid**, **liquid**, and **gas**.



**Solids** retain their form and are firm and rigid in shape.

*Think chair, table, window*

**Liquids** conform to the shape of their containers.

*Think water, juice, milk*

**Gasses** expand to fill the shape of the whole container; no fixed shape.

*Think helium, water vapor, air*

## Application

In this situation, the pink silicone object serves as our **mold**. Our clay is the subject that will be molded.

Wet clay is neither a solid, nor a liquid. Clay is a soil, and when dry, it is solid.

How when clay has moisture (water) in it, it is **semi-solid**. In this state, it is able to conform to the shape of its container like a liquid.

When the clay dries, the water evaporates and it retains its shape like a solid.